



Risk assessment SB/IB-Rotary Shakers / Incubators

Produced 2010-05-11 By Riskbedömare 2 Livsvetenskaper
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Modified 2015-11-09 By Cecilia Sundelin

Final risk assessment of the method

1. Acceptable risk

1. State the premises in which the activity is taking place

2. Description of activity

3. Products

Product name	Concentration	Form	Quantity	Danger	Comments
Ammonium sulfate (mass)					

4. Risk category

5. Level of exposure

6. Ventilation

7. Biological material

8. Comments on Biological material

9. Risk codes

10. Comments on risk codes

11. Premises

12. Comments on premises

13. Protective signs

14. Comments on protective signs

15. Personal protective equipment

protective glasses , protective gloves , protective clothing

16. Comments on Personal protective equipment

Standard lab personal protective equipment

17. Describe the technical equipment

Rotary shakers are kept at a constant temperature (typically 30 or 37 oC) and are agitated to keep cells suspended and aid in aeration.

To use:

- 1 Stop shaker
- 2 Put shake flasks in proper position
 - On adhesive shakers, make sure bottoms are clean so they will stick well
 - On bar holders, tighten bar carefully, make sure they are straight.
- 3 Turn on shaker

18. Environment

19. Comments on environment

20. Waste management

infectious radioactive or sharp waste , biological waste

21. Comments on Waste management

Shake flasks should be sterilized after use. Refer to shake flask protocol.

Shakers often have spilled cells on them, so consider the shake flasks contaminated at all times.

Glass shake flasks can break. Take care to clean up all the broken glass and be careful for sharp pieces of glass. Boxes for contaminated glass waste in Analytical lab and Small lab, for clean broken glass in autoclave room.

22. Emergency equipment

fire-extinguisher foam , fire-extinguisher carbonic acid

23. Comments on Emergency equipment

Possible electric fire risk

Possible sharp, broken glass risk

24. Hazardous actions

night work

25. Comments on Hazardous actions

Do not be alone in the lab while operating orbital shakers.

26. Special instructions to other personel

27. Accidental readiness

28. Final risk assessment of the method

1. Acceptable risk

29. Comments on final risk assessment and additional risk reducing measurements

**Signature
Supervisor**

Date

Christer Larsson

Date of reassessment: